ABSTRACT

A method of creating a decision engine including a
Bayesian network. The method includes retrieving data from
a client database and forming a focus database; applying a
set of initial rules to the focus database to form at least
two nodes; applying a first learning process to determine a
set of arcs to be applied between the at least two nodes;
applying a second learning process to determine a set of
states to be applied within each node; applying a third
learning process to determine a set of probabilities
applicable to the states learned in the second learning
process; and applying a fourth learning process to update a
structure of the at least two nodes, the set of arcs, the
set of states within each node, and the set of
probabilities for the states.